

ACAM Flight Report

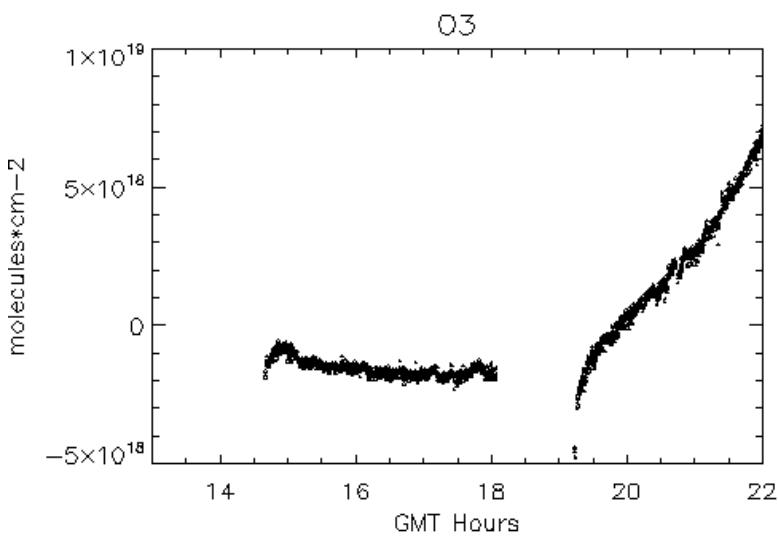
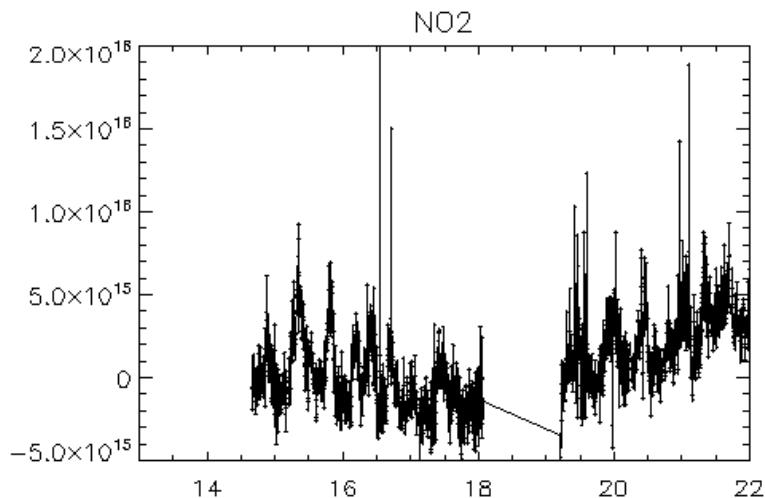
Flight #14 – 07/29/2011

Operations and instrument status

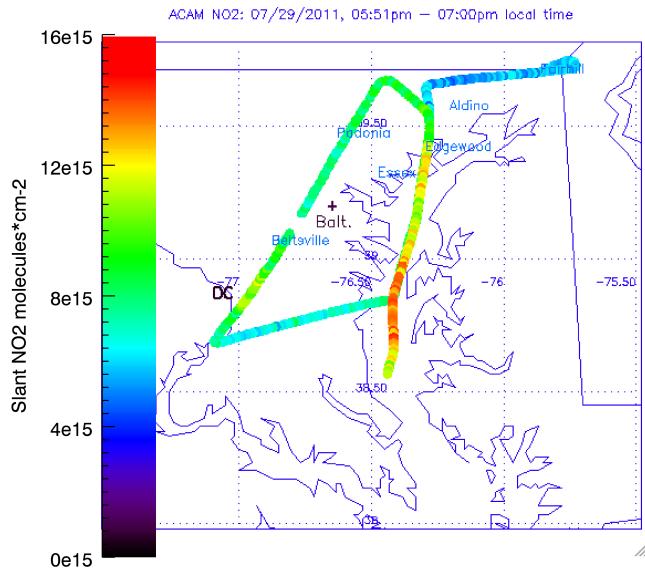
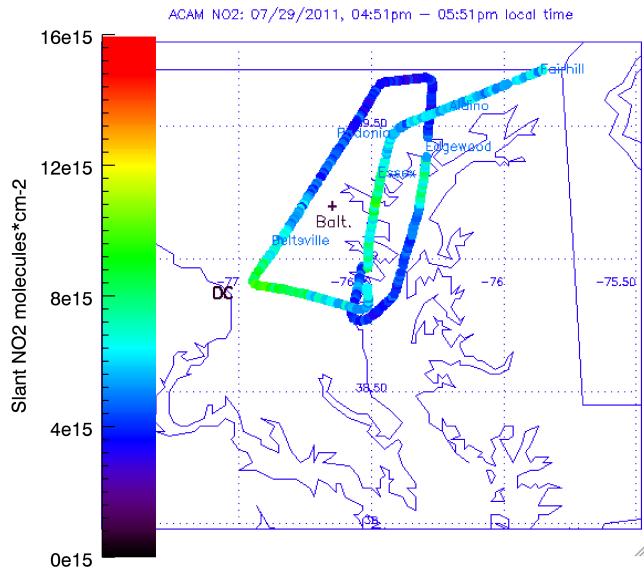
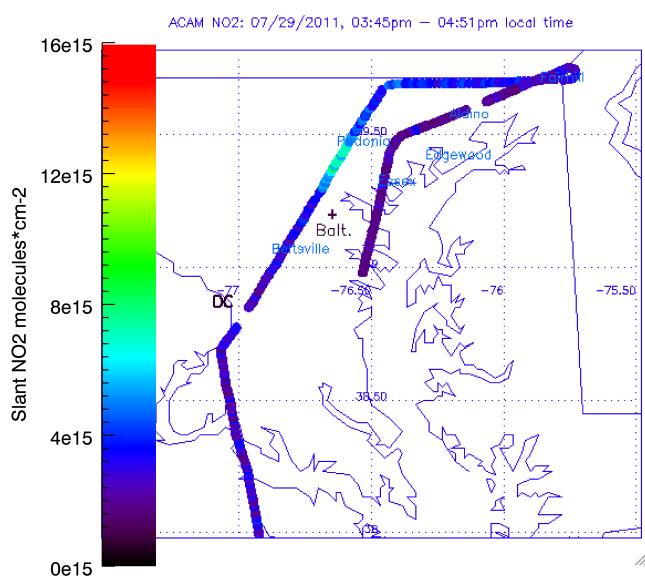
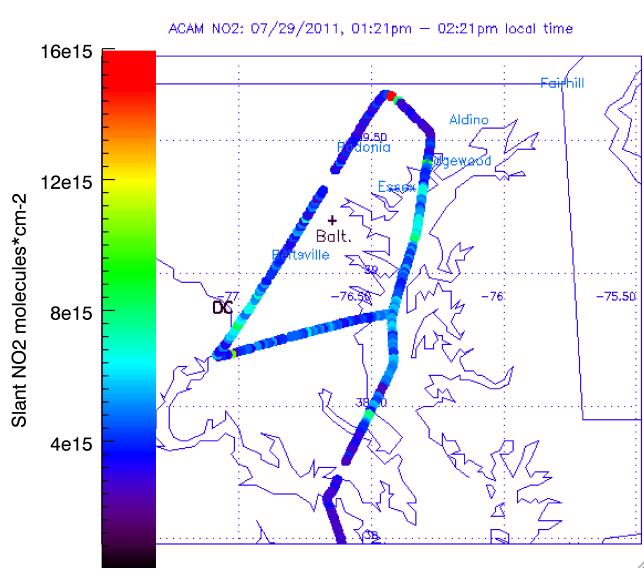
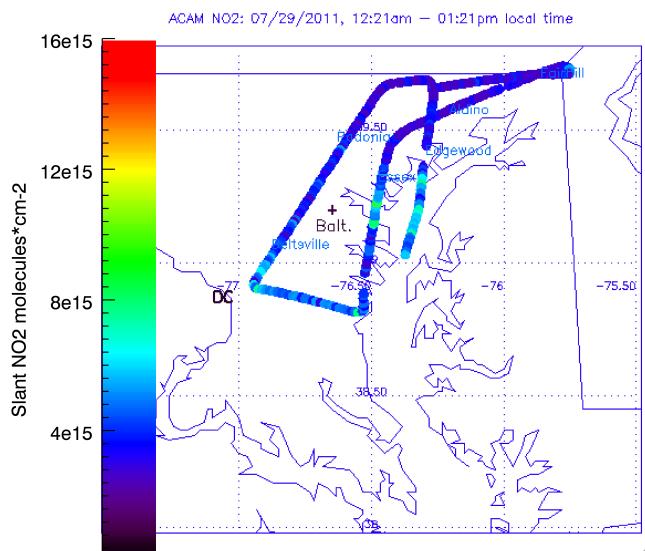
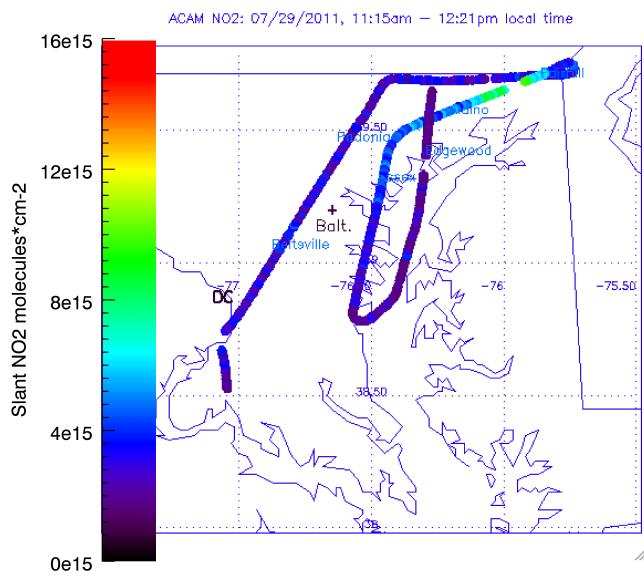
Instrument performance was normal.

Science Summary

NO₂ measurements are shown below as differential slant column values relative to an average of spectra taken between the times of 16.2 and 16.6 UTC. Relatively low NO₂ peaks today despite the hot weather although there are some strong gradients observed. Bay breeze effect is evident in the afternoon with enhanced NO₂ along the bay tracks.



Time series plots of NO₂ and O₃.



Preliminary NO₂ data. Swath averaged resolution 7.5km x 1.2km